

Revolution Is No Handicap To the Cananea Properties

Mines, Mill and Smelter Run Two-Thirds Capacity

El Plomo Mine in Sonora is to Reopen Its Mill Shortly.

Douglas, Ariz., Dec. 24.—The Cananea mines, mill and smelter are operating to about two-thirds of their total capacity. According to the estimate of general manager James S. Douglas, 24,000 tons of ore will be treated in the smelter during December. Last month's production was about 3,000,000 pounds from company ores and 3,250,000 from Miami and purchased ores.

El Plomo Mill to Reopen.
El Plomo mine, located about 90 miles southwest of Sasabe, on the international boundary, will reopen its mill in the near future, according to John T. McDaniel, who has just returned from that section. Men were at work repairing the mill, a 20-ton plant, when he visited it. A small force is employed in the mine.

In the Boludo section of the Altar placer district, two operating companies are now working. One of these is managed by Fletcher M. Doan, Jr., of this city. Doan is working on the vein and so far has met with encouraging results.

La Mina de Plata, located in the Magdalena district of Sonora, is to be enlarged in the immediate future; also will change from the leaching to a slime process. The present mill is a five stamp one and the owners intend to install five additional stamps and a tube mill. The property was taken under lease and owned by its present owners two years ago last October. They have worked without interruption since that time. Besides large bodies of milling ore, they have picked and sent to the El Paso smelter more than 20 cars of high grade shipping ore.

Sublimis is Shipping.
The Sublimis mine, operated by J. M. Archuleta and associates, located 10 miles from Nacozari, is shipping an average of a carload of ore per month to the Copper Queen smelter. The ore carries excellent values, that shipped averaging 10 ounces in silver and 10 per cent copper to the ton.

The Cobra Verde mine, located six miles from Culiacan, owned by A. Wallace has made several shipments to the Copper Queen smelter. The ore runs about 20 per cent copper and about eight ounces in silver to the ton. The Vaquero property, at Churumbil, is shipping a carload of ore per month here. The ore carries about 50 ounces in silver and 11-12 ounces in gold to the ton.

Nolan & Baberman, who are operating in the Nacozari district, are sending about a carload of ore every two weeks to the local smelter.

C. B. Bell & Son are operating a property 12 miles east of Fronteras, and are shipping two cars of ore monthly to the Copper Queen smelter. The ore carries 23 gold, 10 ounces silver and 15 per cent copper to the ton.

Enters List of Shippers.
The Nacozari Consolidated company, located five miles southeast of Nacozari, has entered the list of active shippers, its first carload having gone to the El Paso smelter this week. The ore carries 20 ounces in silver, 40 per cent lead and 11 gold to the ton. The company is now installing a mill which should be operating by the latter part of January.

Buys Silver Seal Mine.
The Silver Seal mine, better known as the Azusa Huena, has been purchased by P. A. Montgomery, of Tonopah, Nev., a recent arrival in this section. He is awaiting the arrival of his papers before he starts to work. He intends to employ a force of from 25 to 30 men in his operations.

C. A. Ryder, of Nacozari, is now buying ore and shipping it to the Copper Queen smelter at the rate of about a car a month. Charles Benson, another ore buyer ships about the same amount monthly. M. N. Quiroz, who is buying ore in the Nacozari district, sends about five cars monthly to this place to be smelted.

N. G. Bartolini, who is operating in the Taboacochi district, with a small force, is shipping about a carload of handsorted ore each month. His last shipment was very high in its metal content, carrying an average of 20 per cent copper and 200 ounces in silver.

WORK TO RESUME IN YARNELL MINE

Former Famous Gold Producer in Arizona Will Have Force of 50 Men After January 1.

Wickenburg, Ariz., Dec. 24.—Once more the Yarnell mine, eight miles northwest of Congress Junction and one of Arizona's famous gold producers, is to be brought into the producing class. Operations will be resumed at the Yarnell shortly after the first of the year, with a force of 50 men.

Several months ago a syndicate of Philadelphia capitalists, headed by W. E. Sharpe, was organized under the name of Gold Cliffs Mining company to take over the Yarnell. Some work was done, but development was dropped for some reason. Now the camp is being rehabilitated preparatory to work on a big scale.

Already the property is well equipped with a hoist, ten-stamp mill, 25-ton cyanide plant and various other machinery. It is the intention of the management to start up the mill on ore from the Edgar shaft and soon to add a larger plant. An ample water supply is to be furnished by a 12-inch pipe line from a stream four miles from the camp, which flows 200 miners' inches.

The first active development will be to sink the Edgar shaft to depth. This shaft is now down 150 feet and from top to bottom, exposes a four-foot streak of sulphide ore that runs 200 tons in gold.

BIG CHRISTMAS DAY BLAST FOR RAY MINE

Fifty Tons of Dynamite to Be Exploded in Depths of Shaft to Make the Ore Settle.

Phoenix, Ariz., Dec. 24.—Fifty tons of dynamite will be exploded in the depths of the Ray mine on Christmas day, according to arrivals from that camp. Part of Ray's Christmas celebration will be an explosion that will jar the hills of Pinal to their center.

Over an area some 400 feet in diameter the ore left atop in the mine has not settled. It is a little harder than the engineers thought and their calculations have not been fulfilled. In order to avoid an accident it will be loosened by an explosion, so that it can all settle at once. A drift has been driven through the ore. Four winzes are being sunk from the drift and four raises are being made. These winzes and raises will be filled with dynamite, which will be exploded simultaneously.

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ELECTRA FIELD IS BIG OIL PRODUCER

Swells Texas' Petroleum Yield \$2,500,000 in a Year.

Washington, D. C., Dec. 24.—Since the sensational oil strike at Beaumont in 1901 petroleum has had first place in the mineral production of Texas, the value of the oil output in 1912 constituting more than one-third of the total mineral production of the state. The production increased from 9,525,474 barrels, valued at \$6,551,552, in 1911, to 13,735,057 barrels, valued at \$8,552,712, in 1912, according to figures compiled by the United States Geological Survey in co-operation with the Texas Bureau of Economic Geology.

The increase was derived almost altogether from the Electra field, in the northern part of the state, where a large amount of development work and "wildcatting" was carried on during the year.

Coal Is Second.
Second in importance among the mineral products of Texas, reckoned by the value of output, is coal, including lignite or brown coal, the production amounting to 2,128,612 short tons, valued at \$3,455,744, in 1912, against 1,974,593 short tons, valued at \$2,272,288, in 1911. Texas is the only state in the union that produces considerable quantities of both bituminous coal and true lignite. The areas of true coal are much smaller than those of lignite, but contribute nearly half of the output and about 50 per cent of the total value. The lignite areas extend in a belt from the Sabine to the Rio Grande, but the production is limited at present to 11 counties. The bituminous areas are somewhat scattered, the larger field being in the central part of the state and two smaller fields bordering on the Rio Grande.

Other Minerals Yield Millions.
The only other mineral products which contribute as much as \$1,000,000 to the total value are clay, cement, natural gas, and asphalt. The clay products of Texas were valued at \$2,886,068 in 1912, against \$2,659,919 in 1911.

The manufacture of Portland cement in Texas is practically a part of the history of the last five years. During that time the production has increased rapidly, from less than 500,000 barrels in 1908 to 1,762,750 barrels in 1912. In 1911 the production was 1,593,771 barrels, and the production in 1912 is therefore an increase of over 250,000 barrels. The value of the cement increased from \$1,523,224 in 1911 to \$2,082,124 in 1912. Raw materials for the manufacture of cement are abundantly distributed throughout the state.

Natural Gas Makes Wealth.
The production of natural gas in 1912 was valued at \$1,405,877, and that of asphalt at \$1,354,540, both showing good gains over 1911. Quicklime is produced in Brewster county, in the western part of the state. The principal quarry product is limestone and is used for building, for foundations, for curbing and flag stones, for road making,

for concrete and for flux. The red granite of Burnet county has few equals in attractiveness in the United States.

The other commercial mineral products of the state are copper, fuller's earth, gess, gold, gypsum, iron ore, lead, lime, mineral waters, salt, sand and gravel, sand-lime brick, silver, and zinc. Some tin has been reported in the neighborhood of El Paso.

The total value of the mineral production of Texas increased from \$18,798,827 in 1911 to \$22,797,015 in 1912, an advance of \$4,000,000, two-thirds of which was due to the larger production of petroleum and natural gas.



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GREENWAY INSPECTS MT. ARRARAT MINE

Douglas, Ariz., Dec. 24.—Following a stay of 10 weeks in Europe, Captain John C. Greenway passed through Douglas enroute to his home at Warren. Captain Greenway said that he had no plans for the Calumet & Arizona company, which he cared to announce, although he admitted that the company may soon begin working the New Cornelia property, recently acquired.

Captain Greenway visited England, France, Germany, Italy and other countries. He went into the Holy Land and at the foot of Mount Arrarat inspected a mining property which has been operated steadily for 2,000 years,

having first been opened by the ancient Romans. It is now the property of an English syndicate and under the management of James Colquhoun, formerly head of the Arizona Copper company, at Chifton.

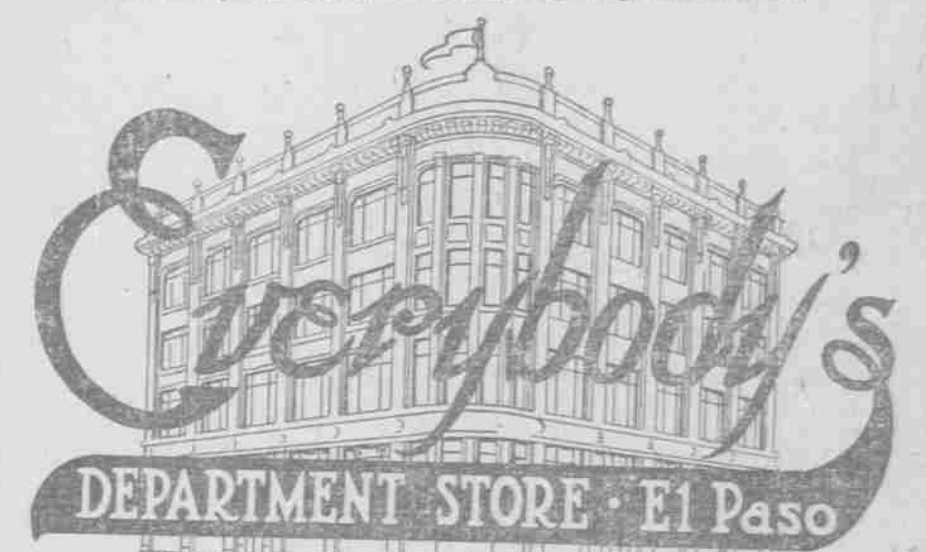
Captain Greenway said that Colonel Roosevelt is far stronger politically in New York now than during the presidential campaign of 1912.

EGGS BUY ADMISSION TO ARKANSAS MOVIES

Fort Smith, Ark., Dec. 24.—Eggs are becoming so valuable in Arkansas that they are being used as a medium of exchange. They are taken for entertainment at moving picture shows. Children are admitted for one egg, adults for two.

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